

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11505

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C08G65/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 362 126 B1 (GROSCH GEORG HEINRICH ET AL) 26 March 2002 (2002-03-26) cited in the application column 2, line 6 - column 4, line 59 abstract; claims 1-16; examples 1-37	1-19, 30-40
X	EP 0 589 635 A (ARCO CHEM TECH) 30 March 1994 (1994-03-30) cited in the application page 2, line 50 - page 3, line 53 abstract; claims 1-11; examples 1-15	1-19, 30-40
Y	DE 199 53 546 A (BAYER AG) 10 May 2001 (2001-05-10) column 1, line 66 - column 4, line 19 abstract; claims 1-9; examples 1-8	1-19, 30-40
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

24 March 2004

Date of mailing of the international search report

01.04.04

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 099 075 A (REISCH JOHN W ET AL) 24 March 1992 (1992-03-24) cited in the application column 2, line 19 - column 3, line 56 abstract; claims 1-20; examples 1-8 -----	1-19, 30-40
X	WO 01/04180 A (DOW CHEMICAL CO) 18 January 2001 (2001-01-18) page 2, line 19 - page 5, line 17 abstract; claims 1-18; examples 1-11 -----	20,21
X	US 3 900 518 A (MILGRÖM JACK) 19 August 1975 (1975-08-19) column 2, line 24 - column 3, line 21 abstract; claims 1-8; examples 1-4 -----	20,21
P,X	WO 03/076488 A (BASF AG ; BOHRES EDWARD (DE); HARRE KATHRIN (DE); BAUM EVA (DE); RUPPE) 18 September 2003 (2003-09-18) page 2, line 39 - page 5, line 31 abstract; claims 1-10; examples 1-13 -----	22-29
X	WO 02/081423 A (BOCHNITSCHKE WERNER ; GROSCH GEORG HEINRICH (DE); ZIRNSTEIN MICHAEL (D) 17 October 2002 (2002-10-17) page 3, line 22 - page 5, line 30 abstract; claims 1-11; examples 1,2 -----	22-29
X	DE 100 01 779 A (BASF AG) 19 July 2001 (2001-07-19) page 3, line 28 - page 5, line 19 abstract; claims 1-16; examples 1-12 -----	22-29
X	DE 199 49 092 A (BASF AG) 19 April 2001 (2001-04-19) page 2, line 46 - page 3, line 68 abstract; claims 1-7; examples 1,2 -----	22-29
X	DE 198 40 846 A (BASF AG) 9 March 2000 (2000-03-09) page 2, line 21 - page 3, line 64 abstract; claims 1-10; examples 1-13 -----	22-29
X	US 6 303 533 B1 (GROSCH GEORG HEINRICH ET AL) 16 October 2001 (2001-10-16) column 2, line 29 - column 3, line 20 abstract; claims 1-21; examples 1-5 -----	22-29

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International application No.  
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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-19, 30-40

Method for removal of a double metal cyanide catalyst based  
on addition of a polymeric acid.  
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2. claims: 20, 21

Method for removal of a double metal cyanide catalyst based  
on addition of a polymeric amine.  
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3. claims: 22-29

Method for removal of a multi metal cyanide catalyst based  
on addition of an adsorbent.  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/11505

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6362126	B1	26-03-2002	DE 19809539 A1 09-09-1999 WO 9944739 A1 10-09-1999 EP 1060020 A1 20-12-2000
EP 0589635	A	30-03-1994	US 5248833 A 28-09-1993 AU 663973 B2 26-10-1995 AU 4753093 A 31-03-1994 BR 9303854 A 10-05-1994 CA 2106184 A1 23-03-1994 DE 69315161 D1 18-12-1997 DE 69315161 T2 12-03-1998 EP 0589635 A1 30-03-1994 ES 2109442 T3 16-01-1998 JP 3397392 B2 14-04-2003 JP 6200013 A 19-07-1994 MX 9305758 A1 31-05-1994
DE 19953546	A	10-05-2001	DE 19953546 A1 10-05-2001 AU 1275701 A 06-06-2001 BR 0015395 A 02-07-2002 CA 2390126 A1 17-05-2001 CN 1387460 T 25-12-2002 CZ 20021552 A3 16-10-2002 WO 0134297 A2 17-05-2001 EP 1239957 A2 18-09-2002 HU 0203685 A2 28-04-2003 JP 2003514073 T 15-04-2003
US 5099075	A	24-03-1992	AU 8920491 A 26-05-1992 DE 69110134 D1 06-07-1995 DE 69110134 T2 04-04-1996 EP 0556261 A1 25-08-1993 ES 2074287 T3 01-09-1995 JP 3192142 B2 23-07-2001 JP 6502438 T 17-03-1994 KR 198684 B1 15-06-1999 WO 9207813 A1 14-05-1992
WO 0104180	A	18-01-2001	AU 5921000 A 30-01-2001 CN 1360608 T 24-07-2002 EP 1196473 A1 17-04-2002 JP 2003504465 T 04-02-2003 WO 0104180 A1 18-01-2001
US 3900518	A	19-08-1975	DE 1803383 A1 12-06-1969 ES 358417 A1 16-05-1970 FR 1589572 A 31-03-1970 GB 1243087 A 18-08-1971 NL 6814971 A 22-04-1969 US 3654224 A 04-04-1972
WO 03076488	A	18-09-2003	DE 10210125 A1 25-09-2003 WO 03076488 A1 18-09-2003
WO 02081423	A	17-10-2002	DE 10117273 A1 17-10-2002 DE 10154781 A1 22-05-2003 WO 02081423 A1 17-10-2002 EP 1381588 A1 21-01-2004

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Information on patent family members

International Application No

PCT/EP 03/11505

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 10001779	A	19-07-2001	DE 10001779 A1 AU 4050501 A WO 0153381 A1	19-07-2001 31-07-2001 26-07-2001
DE 19949092	A	19-04-2001	DE 19949092 A1 AU 7661000 A BR 0014701 A CA 2387155 A1 CN 1378571 T CZ 20021287 A3 WO 0127186 A1 EP 1233996 A1 HU 0203083 A2 JP 2003511533 T	19-04-2001 23-04-2001 18-06-2002 19-04-2001 06-11-2002 17-07-2002 19-04-2001 28-08-2002 28-12-2002 25-03-2003
DE 19840846	A	09-03-2000	DE 19840846 A1 AT 260880 T AU 5973499 A WO 0014045 A1 EP 1112243 A1	09-03-2000 15-03-2004 27-03-2000 16-03-2000 04-07-2001
US 6303533	B1	16-10-2001	DE 19709031 A1 CA 2228651 A1 EP 0862947 A1 JP 10277398 A DE 59808009 D1 ES 2198610 T3	10-09-1998 06-09-1998 09-09-1998 20-10-1998 28-05-2003 01-02-2004